Amendment To The Claims:

1	 (Currently amended) A content processing unit for protecting interchip
2	content pathways transporting digital content objects, the content processing unit comprising:
3	a first chip package, wherein the first chip package comprises:
4	a first body,
5	a first plurality of interconnects,
6	an encryption engine, and
7	a first key storage register capable of storing a first key, wherein:
8	the first key is used by the encryption engine to
9	produce ciphertext content,
10	the first key storage register is non-readable from
11	outside the first body, and
12	the first key storage register cannot be overwritten
13	after a programmability period, the programmability period being
14	a period in which the first key is loaded in the first key storage,
15	a second chip package, wherein the second chip package comprises:
16	a second body,
17	a second plurality of interconnects,
18	a decryption engine, and
19	a second key storage register capable of storing a second key,
20	wherein:
21	the second key is used by the decryption engine to
22	produce plaintext content from the ciphertext content, and
23	the second key storage register is non-readable
24	from outside the second body, the second key storage register
25	being writeable while being non-readable;
26	a content pathway coupling a first subset of the first plurality of interconnects and
27	a second subset of the second plurality of interconnects, wherein the content pathway transports
28	the digital content objects as the ciphertext content.

1	(Currently amended) The content processing unit for protecting interchip
2	content pathways transporting digital content objects as recited in claim 1, wherein the
3	programmability period ends when a command is sent to the first plurality $\underline{\text{of interconnects}}$.
1	3. (Original) The content processing unit for protecting interchip content
2	pathways transporting digital content objects as recited in claim 2, wherein the command
3	activates a fusable link.
1	4. (Original) The content processing unit for protecting interchip content
2	pathways transporting digital content objects as recited in claim 1, wherein the programmability
3	period ends after writing to the first key storage register.
1	5. (Original) The content processing unit for protecting interchip content
2	pathways transporting digital content objects as recited in claim 1, wherein at least one of the
3	first and second chip packages comprises a plurality of semiconductor substrates.
1	6. (Original) The content processing unit for protecting interchip content
2	pathways transporting digital content objects as recited in claim 1, wherein:
3	the first chip package further comprises a third key storage register capable of
4	storing a key encryption key, and
5	the first key is protected with the key encryption key outside the first body.
1	7. (Original) The content processing unit for protecting interchip content
2	pathways transporting digital content objects as recited in claim 1, wherein the second key
3	storage register is overwritable by manipulating the second plurality.
1	8. (Original) The content processing unit for protecting interchip content
2	pathways transporting digital content objects as recited in claim 1, wherein:
3	the second chip package further comprises a second encryption engine, and
4	the second encryption engine uses the second key or another key that is a function
5	of the second key.
1	9. (Original) The content processing unit for protecting interchip content
2	pathways transporting digital content objects as recited in claim 8, further comprising a third

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further comprising steps of:

3	chip package comprising a third key that can decrypt ciphertext produced with the second
4	encryption engine.
1	10. (Original) The content processing unit for protecting interchip content
2	pathways transporting digital content objects as recited in claim 1, wherein:
3	the content processing unit is part of a larger system comprising a third plurality
4	of functionally equivalent content processing units, and
5	each of the third plurality uses a different first key to protect their respective
6	content pathways.
1	11. (Currently amended) A method for protecting interchip content pathways
2	transporting digital content objects within a content processing unit, the method comprising steps
3	of:
4	loading a first key into a first key storage register in a first chip package, wherein
5	the first key in the first key storage register is non-readable from outside the first chip package;
6	activating a feature of the first chip package that prevents overwriting the first key
7	in the first key storage register from outside the first chip package, after a period in which the
8	first key is loaded in the first key storage;
9	encrypting digital content with the first key to produce ciphertext content;
10	coupling the ciphertext content from the first chip package to a content pathway;
11	loading a second key into a second key storage register in a second chip package,
12	wherein the second key in the second key storage register is non-readable from outside the
13	second chip package, the second key storage register being writeable while being non-readable;
14	coupling the ciphertext content from the content pathway to a second chip
15	package; and
16	decrypting the ciphertext content with the second key to reformulate the digital
17	content.
1	 (Original) The method for protecting interchip content pathways

transporting digital content objects within the content processing unit as recited in claim 11,

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package; and

3	further comprising a step of overwriting the second key in the second key storage register from
4	outside the second chip package.
1	14. (Original) The method for protecting interchip content pathways
2	transporting digital content objects within the content processing unit as recited in claim 11,
3	further comprising steps of:
4	encrypting the digital content in the second chip package to produce second
5	ciphertext content using the second key or another key that is a function of the second key,
6	coupling the second ciphertext content to a second content pathway.
1	15. (Original) The method for protecting interchip content pathways
2	transporting digital content objects within the content processing unit as recited in claim 11,
3	wherein:
4	the content processing unit is part of a larger system comprising a plurality of
5	functionally equivalent content processing units, and
6	each of the plurality uses a different first key to protect their respective content
7	pathways.
1	16. (Original) A computer system adapted to perform the computer-
2	implementable method for protecting interchip content pathways transporting digital content
3	objects within the content processing unit of claim 11.
1	17. (Original) A computer-readable medium having computer-executable
2	instructions for performing the computer-implementable method for protecting interchip content
3	pathways transporting digital content objects within the content processing unit of claim 11.
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loading a key encryption key into a third key storage register in the first chip

decrypting the first key with the key encryption key, whereby the first key is

transporting digital content objects within the content processing unit as recited in claim 11,

The method for protecting interchip content pathways

protected with the key encryption key outside the first chip package.

(Original)

1	18. (Currently amended) A content processing unit for protecting interchip
2	content pathways transporting digital content objects, the content processing unit comprising:
3	a first chip package, wherein the first chip package comprises:
4	a first body,
5	a first plurality of interconnects,
6	an encryption engine, and
7	a first key storage register capable of storing a first key, wherein:
8	the first key is used by the encryption engine to
9	produce ciphertext content,
10	the first key storage register is non-readable from
11	the first plurality of interconnects, and
12	the first key storage register cannot be overwritten
13	after being written once after a period in which the first key is
14	loaded in the first key storage;
15	a second chip package, wherein the second chip package comprises:
16	a second body,
17	a second plurality of interconnects,
18	a decryption engine, and
19	a second key storage register capable of storing a second key,
20	wherein:
21	the second key is used by the decryption engine to
22	produce plaintext content from the ciphertext content, and
23	the second key storage register is non-readable
24	from the second plurality of interconnects, the second key storage
25	register being writeable while being non-readable;
26	a content pathway coupling a first subset of the first plurality of interconnects and
27	a second subset of the second plurality of interconnects, wherein the content pathway transports
28	the digital content objects as the ciphertext content.
1	19. (Original) The content processing unit for protecting interchip content
2	pathways transporting digital content objects as recited in claim 18, wherein:
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3	the first key storage register has a third plurality of bits, and
4	each of the third plurality can only be written once.
1	20. (Original) The content processing unit for protecting interchip content
2	pathways transporting digital content objects as recited in claim 18, wherein:
3	the first chip package further comprises a third key storage register capable of
4	storing a key encryption key, and
5	the first key is protected with the key encryption key outside the first body.
1	21. (Original) The content processing unit for protecting interchip content
2	pathways transporting digital content objects as recited in claim 18, wherein the second key
3	storage register is overwritable from outside the second chip package.
1	22. (Original) The content processing unit for protecting interchip content
2	pathways transporting digital content objects as recited in claim 18, wherein:
3	the second chip package further comprises a second encryption engine, and
4	the second encryption engine uses the second key or another key that is a function
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5	of the second key.
1	23. (Original) The content processing unit for protecting interchip content
2	pathways transporting digital content objects as recited in claim 18, wherein:
3	the content processing unit is part of a larger system comprising a third plurality
4	of functionally equivalent content processing units, and
5	each of the third plurality uses a different first key to protect their respective
6	content pathways.